FIG. 1

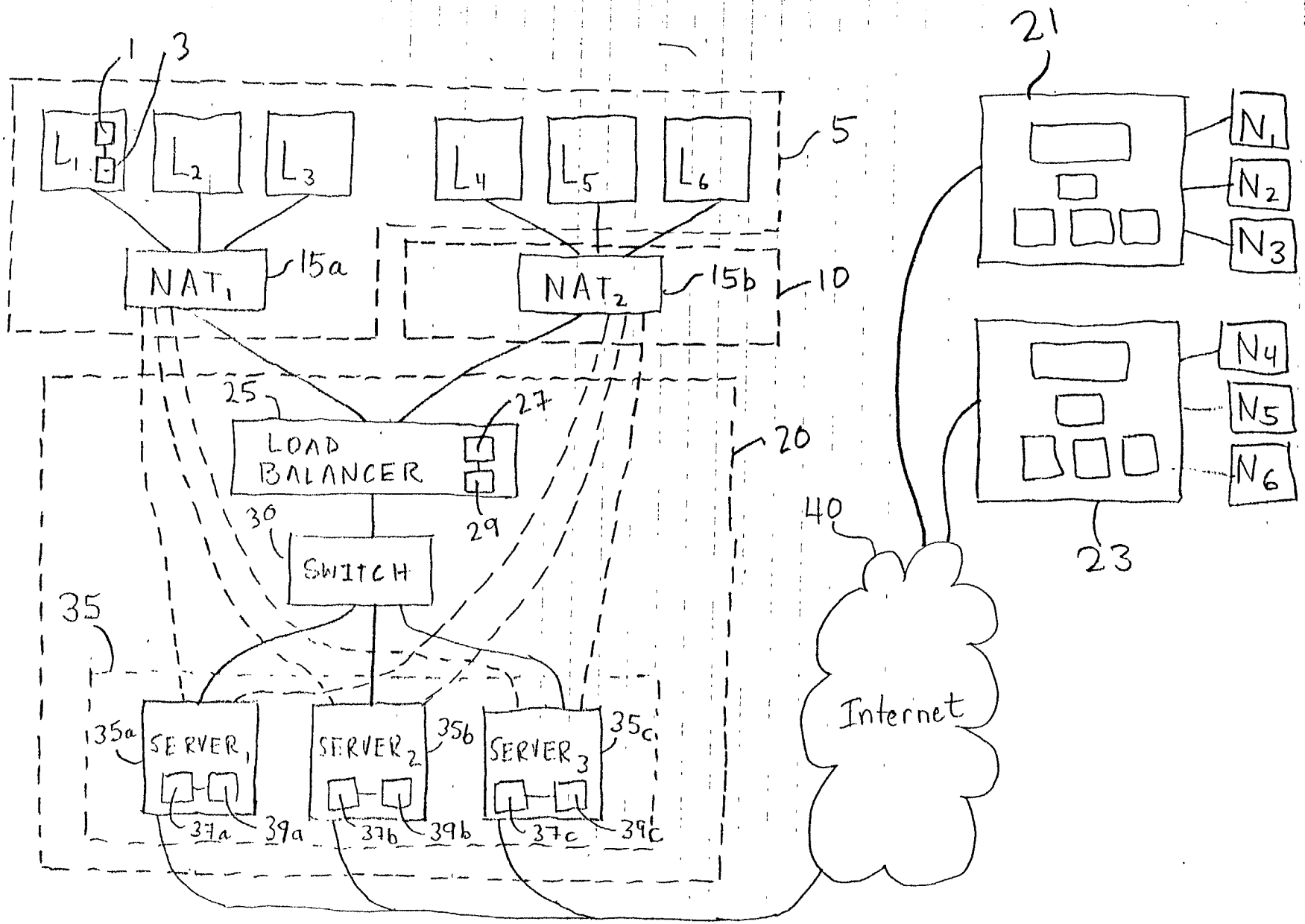
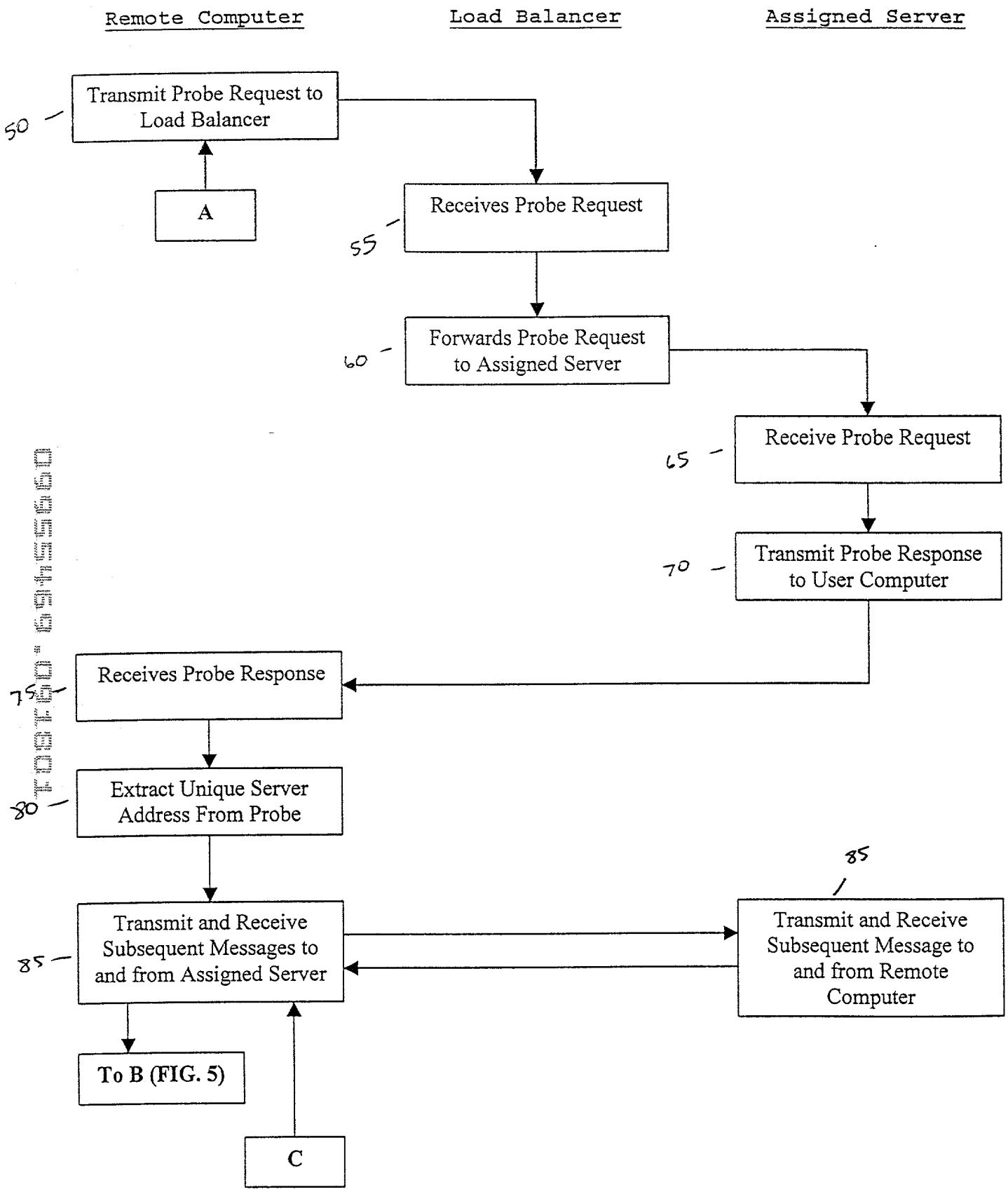

1
3
L1
L2
L3
L4
L5
L6
5
NAT1
15a
NAT2
15b
10
25
27
LOAD BALANCER
29
20
30
SWITCH
35
35a
SERVER1
35b
SERVER2
35c
SERVER3
37a
39a
37b
39b
37c
39c
40
Internet
21
N1
N2
N3
N4
N5
N6
23

FIG. 2


Remote Computer
Load Balancer
Assigned Server
Transmit Probe Request to Load Balancer
50
A
Receives Probe Request
55
Forwards Probe Request to Assigned Server
60
Receive Probe Request
65
Transmit Probe Response to User Computer
70
Receives Probe Response
75
Extract Unique Server Address From Probe
80
Transmit and Receive Subsequent Messages to and from Assigned Server
85
Transmit and Receive Subsequent Message to and from Remote Computer
85
To B (FIG. 5)
C

TOBT60* 69h5S660

FIG. 3

PROBE REQUEST

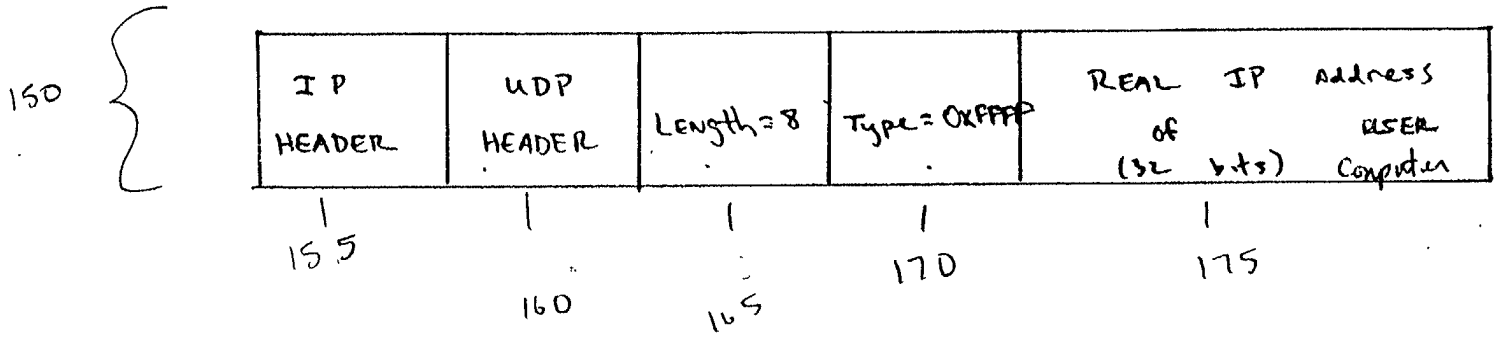


FIG. 4

PROBE RESPONSE

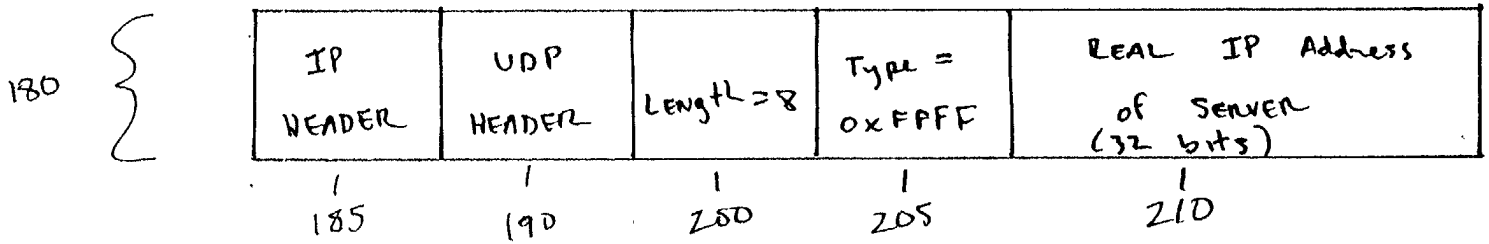
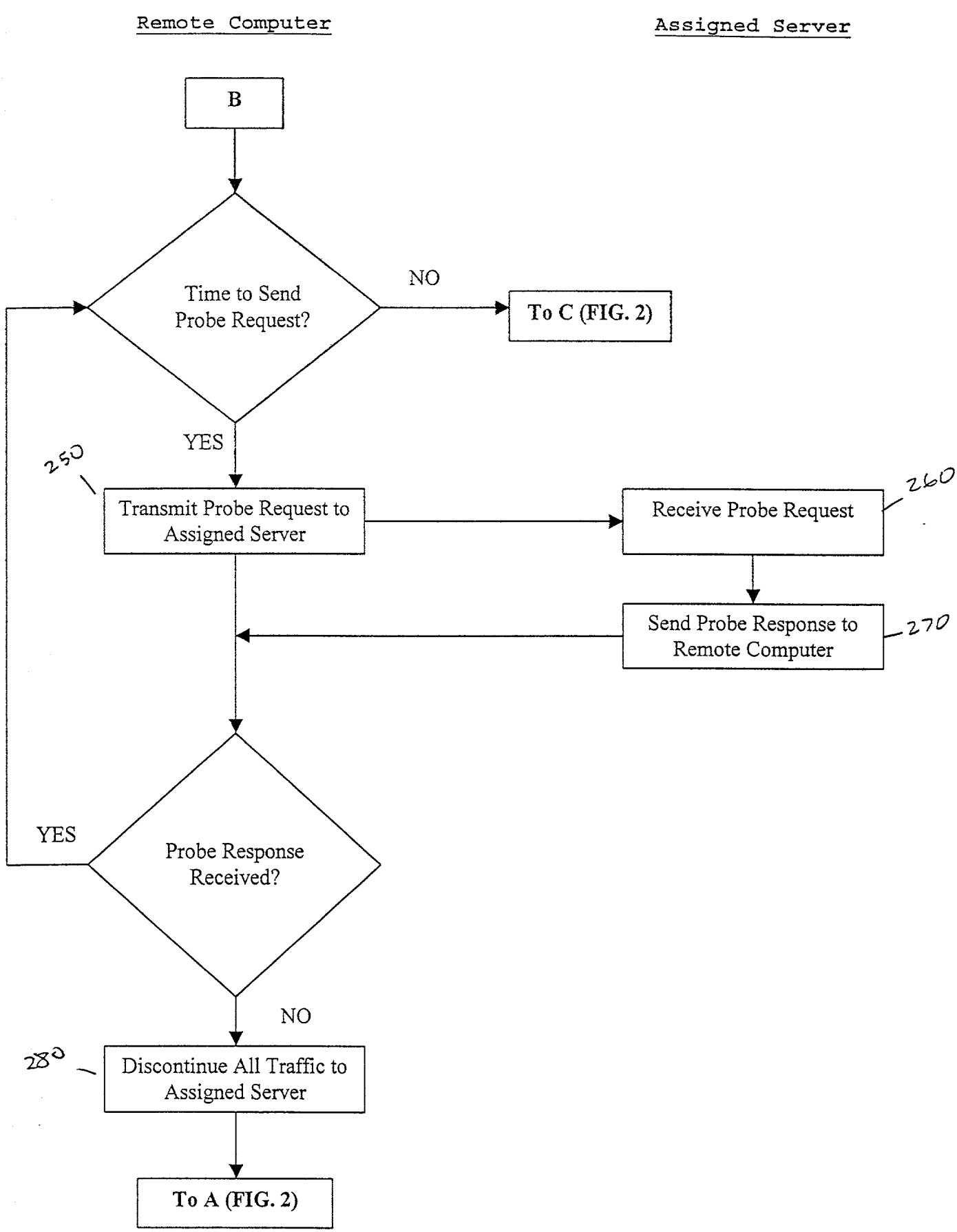


FIG. 5


Remote Computer
Assigned Server
B
Time to Send Probe Request?
NO
To C (FIG. 2)
YES
250
Transmit Probe Request to Assigned Server
Receive Probe Request
260
Send Probe Response to Remote Computer
270
Probe Response Received?
YES
NO
280
Discontinue All Traffic to Assigned Server
To A (FIG. 2)